

Concerning Compact Discs



Only compact discs bearing this mark can be used with this unit.

However, continued use of irregular shaped CDs can damage the unit.



How to remove a disc from its case



How to store the disc in its case



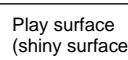
How to hold a disc



If the surface is dirty

Wipe it with a damp cloth and then wipe dry.

Wipe from the center toward the outer circumference.



Handling precautions

- If you are taking the CD from a cold to a warm environment, moisture may form on the CD. Wipe this off with a soft, dry, lint-free cloth before using the CD.
- Do not write on the label side with a ball-point pen or other writing instrument.
- Do not use record cleaning sprays, benzine, thinner, static electricity prevention liquids or any other solvent.
- Do not attach labels or stickers to CDs. (Do not use CDs with exposed adhesive from tape or left over peeled off stickers.)

- Do not use scratch-proof protectors etc.

Storage precautions

Be sure to store CDs in their cases to protect them from dust, scratches, and warping.

Do not place or store CDs in the following places

- Locations exposed to direct sunlight
- Humid or dusty locations
- Locations directly exposed to a heat vent or heating appliance
- In the glove compartment or on the rear deck of an automobile

Portable CD player

Panasonic

Operating Instructions

Model No. **SL-SV500**



MODEL NUMBER **SL-SV500**

SERIAL NUMBER _____

Supplied Accessories

Check the packing carton for these accessories.

For U.S.A.

Stereo headphones 1
(RFEV715P-HS)

For Canada

Stereo earphones 1
(RFEV334P-K1S)

Use numbers indicated in parentheses when asking for replacement parts.
(Only for U.S.A.) To order accessories contact 1-800-332-5368 or web site
(http://www.panasonic.com).

Before connecting, operating or adjusting this product, please read these instructions completely. Please keep this manual for future reference.

P **PC** **PY**

En

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IMPORTANT SAFETY INSTRUCTIONS

Read these operating instructions carefully before using the unit. Follow the safety instructions on the unit and the safety precautions listed below. Keep these operating instructions handy for future reference.

Safety

1. **Power source**—Connect the unit to a power source of the type described in these instructions or as marked on the unit.
2. **Polarization**—The unit is equipped with a polarized power plug where one blade is wider than the other. This safety feature ensures that the plug fits into your household AC outlet only one way. If the plug doesn't fit one way, try reversing it. If the plug still doesn't fit, contact an electrician to replace the obsolete outlet. Do not attempt to defeat the safety purpose of the plug.
3. **Power cord protection**—Route the AC power supply cord so that it will not be walked on or pinched by items placed on or against it. Never take hold of the plug or cord with wet hands. Always grasp the plug firmly when connecting and disconnecting it.
4. **Overloading**—When connecting the AC power supply cord, be careful not to overload the household AC outlet, extension cord, or outlet from any other device as this can result in fire or electric shock.
5. **Nonuse periods**—Turn the unit off when it is not in use. Unplug the unit from the household AC outlet if it is not to be used for a long time. Unplug the unit during lightning storms. Leaving the unit connected to a household AC outlet for extended periods can cause battery fluid leakage.
6. **Attachments and accessories**—Use only the attachments and accessories recommended in these operating instructions.

Installation

Placement

1. **Foreign material**—Ensure objects and liquids do not get into the unit. Avoid exposing the unit to excessive smoke, dust, mechanical vibration, and shock.
2. **Magnetism**—Situate the unit away from equipment and devices that generate strong magnetic fields.
3. **Stacking**—Do not place anything on top of this unit.
4. **Wall and ceiling mounting**—Do not mount the unit on walls or ceilings unless specified in the instructions.

Environment

1. **Water and moisture**—Do not use the unit near water, such as near a bathtub or swimming pool. Avoid damp basements.
2. **Heat**—Situate the unit away from heat sources, such as radiators. Do not leave it in an automobile exposed to direct sunlight with the doors and windows closed as this may deform the cabinet.

Do not situate where temperatures fall below 5 °C (41 °F) or rise above 35 °C (95 °F).

Service

1. **Damage requiring service**—The unit should be serviced by qualified service personnel if:
 - (a) The AC power supply cord or AC adaptor has been damaged; or
 - (b) Objects or liquids have gotten into the unit; or
 - (c) The unit has been exposed to rain; or
 - (d) The unit does not operate normally or exhibits a marked change in performance; or
 - (e) The unit has been dropped or the cabinet damaged.
2. **Servicing**—Do not attempt to service the unit beyond that described in these operating instructions. Refer all other servicing to authorized servicing personnel.
3. **Replacement parts**—When parts need replacing ensure the servicer uses parts specified by the manufacturer or parts that have the same characteristics as the original parts. Unauthorized substitutes may result in fire, electric shock, or other hazards.
4. **Safety check**—After repairs or service, ask the servicer to perform safety checks to confirm that the unit is in proper working condition.

Maintenance

(See page 5 for details.)

Unplug the unit from the household AC outlet before cleaning.
Clean with a damp cloth.
Do not use abrasive pads, scouring powders, or solvents.

Power Supply Preparations

Refer to the specifications (page 8) for information on operating times when using dry cell batteries.

Important note about the memory and the power supply

To preserve the contents of the memory, ensure the unit has a constant supply of power.

- Turn the unit off before changing the batteries and before connecting or disconnecting the AC adaptor.
- The unit can maintain the memory without power for about one minute. Change batteries or reconnect the AC adaptor within this time.
- As a precaution, insert batteries even when using the AC adaptor or car adaptor.

Using the AC adaptor (not included)

Use only the recommended AC adaptor. Use of other AC adaptors can damage the unit.

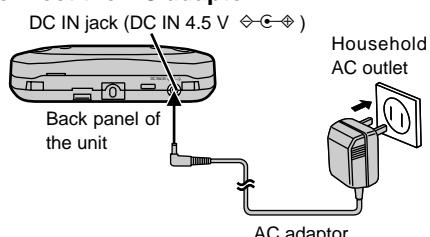
For U.S.A.

To order the optional AC adaptor RP-AC46 contact 1-800-332-5368 or web site (<http://www.panasonic.com>).

For Canada

Be sure to obtain the optional AC adaptor RP-AC46, available through your Panasonic dealer.

Connect the AC adaptor.

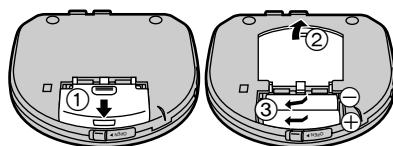


Conserving power

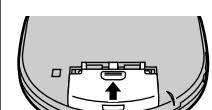
To save power when the unit is not to be used for a long time, unplug the AC adaptor from the household AC outlet.

Using dry cell batteries (not included)

Insert two "LR6, AA, UM-3" alkaline batteries.



If the battery lid comes loose
Slide the lid back into place horizontally.



Removing batteries
Push up on the battery in the direction indicated by the arrow. Then lift it out.



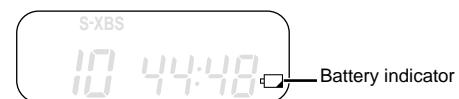
Note

The dry cell batteries should be changed when the unit is off.

Using rechargeable batteries (not included)

- If rechargeable batteries are to be used, rechargeable batteries manufactured by Panasonic are recommended.
- This unit cannot recharge batteries. The battery indicator will not function correctly when using rechargeable batteries.

Battery indicator



This indicator flashes when the batteries are almost out of power. Power is cut off a short while later. Replace batteries with new ones.

Note

How long the unit continues to operate after the battery indicator starts flashing depends on the type of batteries and on whether you are using the unit to play CDs or the radio.

Using the car adaptor (not included)

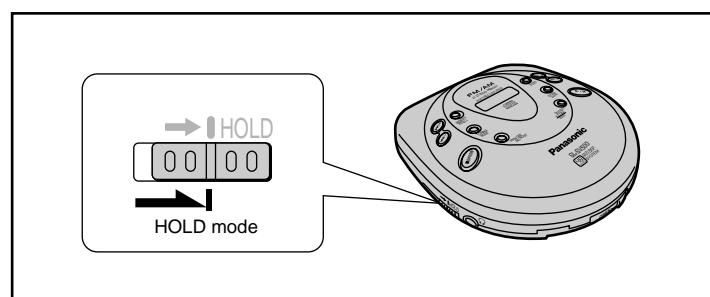
Use only the recommended car adaptor. Use of other car adaptors can damage the unit. Be sure to obtain the car adaptor (SH-CDC9) available as an optional accessory.

CAUTION:

Use only car adaptor, Model: SH-CDC9 manufactured by Matsushita Electric Industrial Co., Ltd.

If the unit malfunctions or freezes during use, disconnect the power source (the AC adaptor or batteries). Re-connect the power source and continue operation.

HOLD Function



This function causes the unit to ignore short, accidental button presses. (The disc lid can still be opened and closed.)

The HOLD function prevents the following:

- The unit is powered on accidentally when not in use, causing the batteries to run down.
- A button is accidentally pressed during play, interrupting the operation.

To use the HOLD function

Set [HOLD] to the HOLD position.

"*hold*" indication

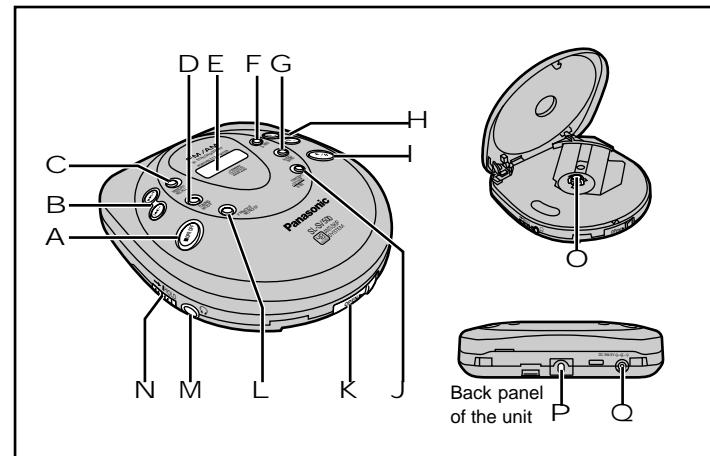
When the unit is in HOLD mode, pressing any button causes the indication "*hold*" to appear on the display.

When the unit is powered off:

The "*hold*" indication appears only when [▶/II] or [RADIO/BAND] is pressed.

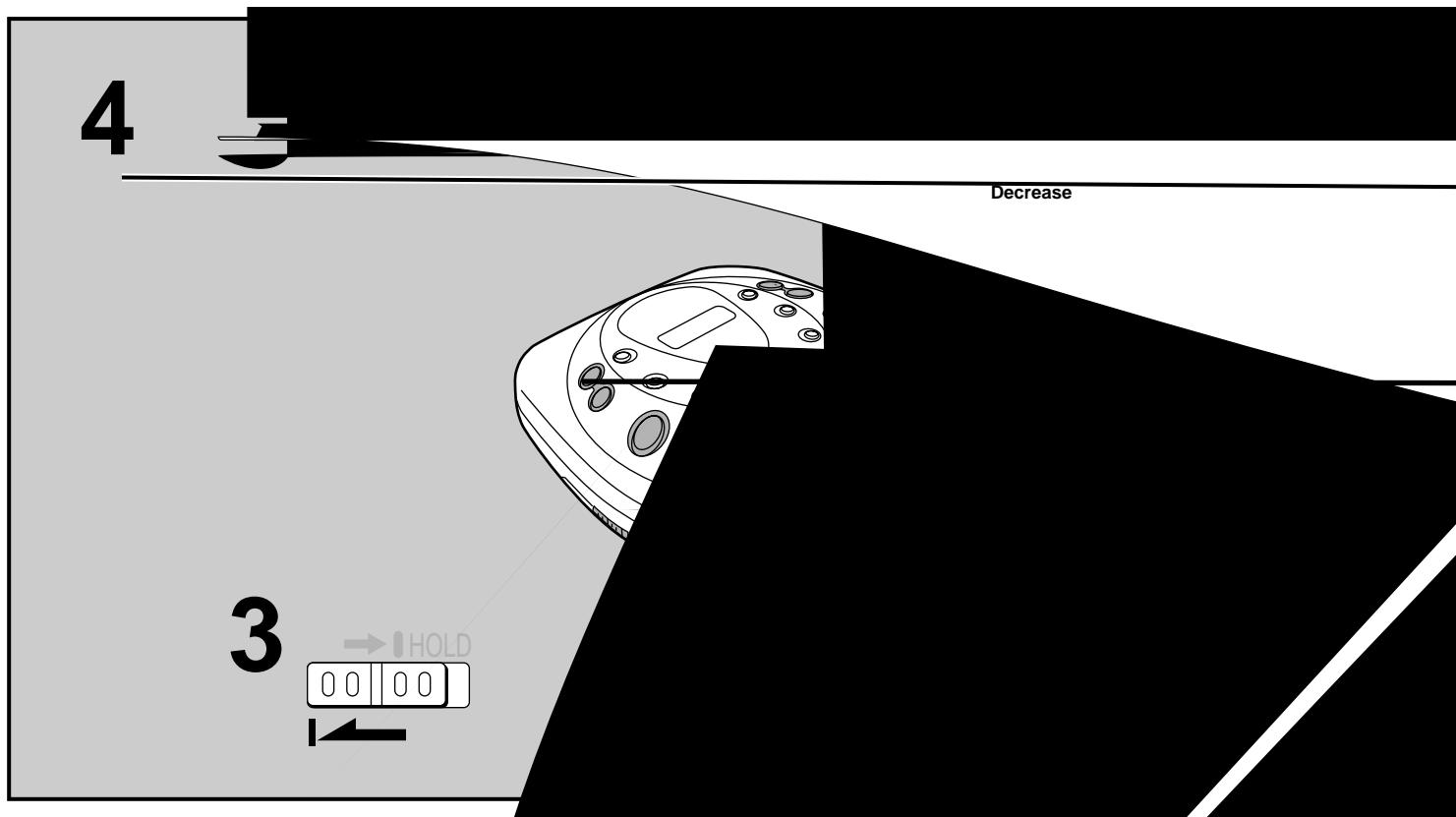
Before operating the buttons
Be sure to move [HOLD] to release the unit from the HOLD mode.

Location of Controls



A Stop/operation off button (■, OPR OFF)	J Sensitivity control, play mode button (FM RECEPT - CITY/NOR, MODE)
B Tuning/skip/search buttons (▶▶/+/-, ▲▲/-)	K Open switch (OPEN▶)
C Memory/recall button (MEMORY/RECALL)	L Monaural/stereo button (FM MODE MONO/ST)
D Tuning mode select button (TUNING MODE)	M Headphone jack (Ω)
E Display	N Hold switch (HOLD)
F S-XBS button (S-XBS)	O CD release button (PUSH)
G Tuner on/band select button (RADIO/BAND)	P Hole for car mounting base
H Headphone volume control buttons (VOL+, VOL-)	Q DC IN jack (DC IN 4.5 V ◇-C-◇)
I Play/pause button (▶/II)	

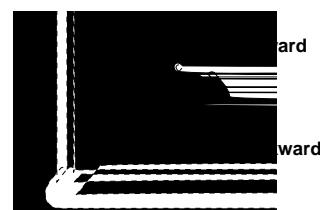
Listening to CDs [Basic Play]



Removing discs

- 1 Press [■, OPR OFF] to stop play and disc rotation.
- 2 Slide [OPEN▶] to open the lid.
- 3 Press [PUSH] to release the disc.

Do not stop the disc by hand or try to remove it before it stops rotating. This can damage CDs.



Note

Never insert foreign objects into the unit.

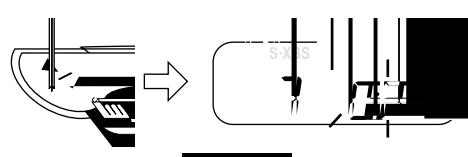
Auto-off function

If you leave the unit in stop mode for about 10 minutes (30 seconds if disc is not loaded), it turns off to save the batteries.

Note on CD-R and CD-RW

This unit can play CD-DA format audio CD-R and CD-RW that have been finalized* upon completion of recording. It may not be able to play some CD-R or CD-RW due to the condition of the recording.

*Finalizing is a process that enables CD-R/CD-RW players to play audio CD-R and CD-RW.



Total playing time

Total number of tracks

Listening to CDs

Other Play Methods

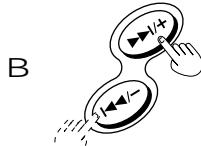
The letters such as B in the various illustrations refer to the descriptions in the "Location of Controls" section. (See page 2.)

Skip play

The disc plays from the specified track through to the end, then play stops automatically.

Preparation: Put unit in stop mode.

1 Select the desired track.



2



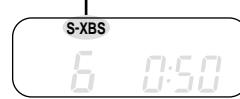
Changing the sound quality

Press during play or stop mode.



Each time the button is pressed;

"S-XBS">> " " (Cancel)



S-XBS:

Select this setting to boost the low frequency range response.

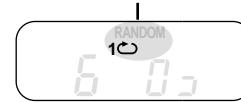
Note

The setting returns to S-XBS when you disconnect the power source.

Repeat play/Random play

Press during play or stop mode.

Each time the button is pressed;



1 (1-track repeat)

One track is repeated.

(All-track repeat)

All the tracks on the disc are repeated.

RANDOM (Random)

The tracks play once each in random order and then play stops.

RANDOM, (Random repeat)

The tracks play repeatedly in random order.

When pressed during program play

Each time the button is pressed;

1 M (1-track repeat)

One track is repeated.

M (Memory repeat)

The programmed tracks are repeated.

Note

• You can select the first track to play in random play and random repeat play by pressing [▶▶/+] while the disc is stopped. All the tracks are played.

• You cannot select random play or random repeat play during program play.

• The resume function does not work when random or random repeat are on.

• The mode is canceled when you disconnect the power source.

Anti-Skip System

This system deals with skipping in a variety of ways:

- An anti-skip mechanism prevents skipping caused when play speed changes due to swinging of the unit.
- A recovery system immediately returns the laser pickup to its original position if it is knocked off the track by a strong shock.
- An anti-skip memory (max. 48 seconds) fills in interruptions caused by bumps and vibrations.

The anti-skip system works automatically while the unit is on and cannot be canceled.

When bumps continue repeatedly

The message "SORRY" appears on the display and sound is interrupted.



Note

• While the system is on, the disc rotates at a higher rate than usual in collecting extra audio data. This could result in a slight increase in disc rotation noise.

• The anti-skip memory compresses digital signals.

Using the Unit with Optional Accessories

Using the unit with an audio system

Using the stereo connection cable (not included), you can listen to CDs on your audio system.

- Turn off this unit and the other equipment before connection.
- Do not connect the cable to the PHONO jacks on the amplifier.
- Obtain the optional connecting cable if the other equipment comes with mini-phone jacks.
- Set this unit's volume to 10, then adjust the volume on the other equipment.

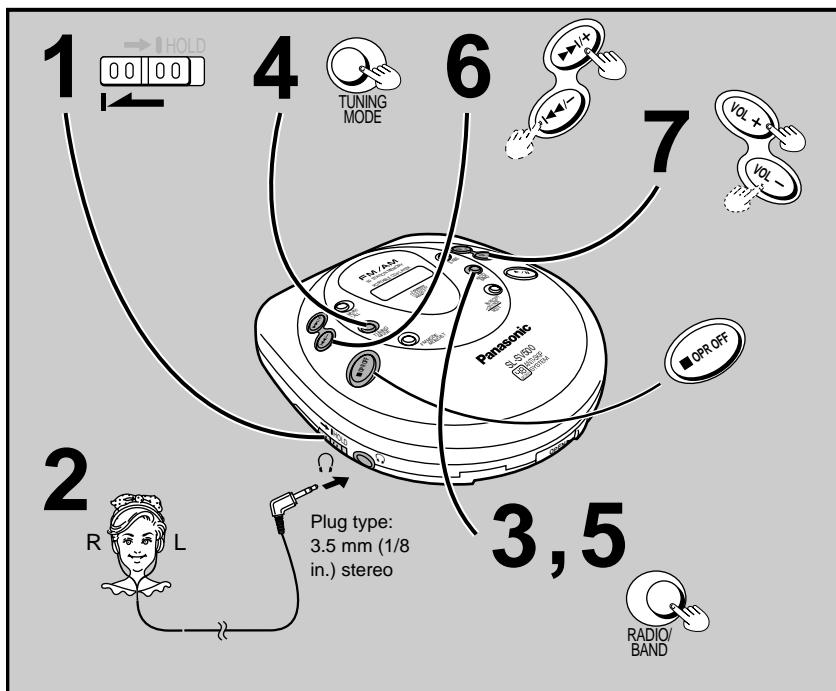
Use only the recommended car stereo cassette adaptor and car adaptor. Using other adaptor can damage the unit. The part numbers are indicated in parentheses.

Items to be purchased **For connection to the car audio system**

Listening to the Radio

You can tune directly to the station in **Free Mode** by finding the station's frequency, or you can store the station in **Memory Mode** to make tuning simpler. You can choose these modes with [TUNING MODE].

Free Mode



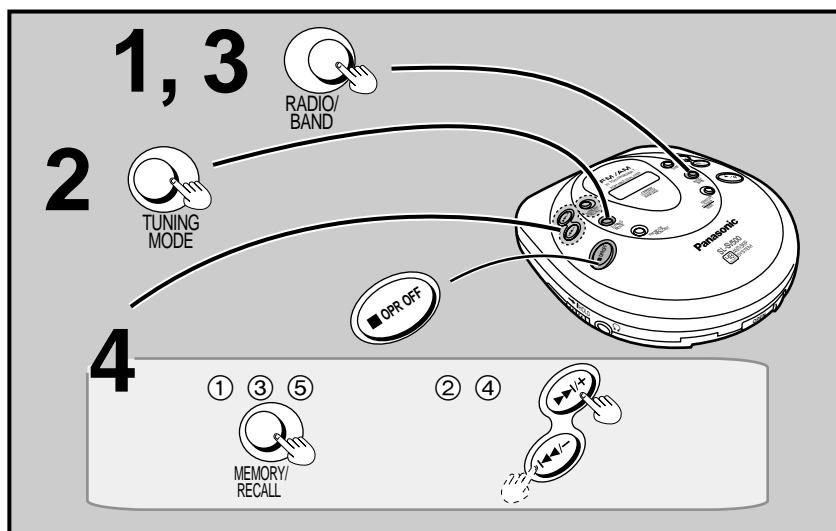
- 1 Release [HOLD].
- 2 Connect the stereo headphones /stereo earphones to []. (Plug in firmly.)
- 3 Press [RADIO/BAND] to turn on the radio.
- 4 Press [TUNING MODE] to set to Free Mode. The display in Free Mode is as follows.



- 5 Press [RADIO/BAND] to change the band. Each time the button is pressed; FM (..., AM
- 6 Press [▶▶]/[◀◀] to select the frequency of the station.
▶▶/+ : increases frequency
◀◀/- : decreases frequency
- For your reference:**
 - Press for over 1.5 seconds to make the frequency change rapidly.
 - "TUNED" is displayed when a station is tuned.
- 7 Adjust the volume.

■ To turn off the radio
Press [■, OPR OFF].

Memory Mode



Important

After putting stations into channels, ensure the unit has a constant power supply. Leaving it without batteries or AC power for more than one minute can clear the memory.

Recalling preset stations

Preparation:

- Release [HOLD].
- Connect the stereo headphones/earphones to [].
- Perform steps 1-3 of "Putting stations into the channels".

- 1 Press [▶▶]/[◀◀] to select the desired station.
Memory number and broadcast frequency changes.
- 2 Adjust the volume.

■ To erase unnecessary preset stations from the memory

Preparation:

Perform steps 1-3 of "Putting stations into the channels".

- 1 Press [▶▶]/[◀◀] to select the memory number to be erased.
- 2 ①Press [MEMORY/RECALL].
The frequency number flashes.
②Within 10 seconds
Press and hold [MEMORY/RECALL] until "---" flashes.
③Within 10 seconds
Press [MEMORY/RECALL] to erase the memory number.
The memory number of the next preset station appears on the display.

■ To put a station into a channel you erased
Repeat the procedure described at left.

■ To turn off the radio
Press [■, OPR OFF].

Putting stations into the channels

Frequencies up to 30 stations can be stored; 20 FM and 10 AM.

Preparation:

- Release [HOLD].
- Connect the stereo headphones/earphones as they act as an FM antenna.

- 1 Press [RADIO/BAND] to turn on the radio.
- 2 Press [TUNING MODE] to set to Memory Mode.

The display in Memory Mode is as follows.



- 3 Press [RADIO/BAND] to change the band.
Each time the button is pressed;
FM (..., AM
- 4 Put stations into the channels of your choice.
 - ①Press [MEMORY/RECALL].
The frequency number flashes.
 - ②Within 10 seconds
Press [▶▶]/[◀◀] to select the frequency to be memorized.
 - ③Within 10 seconds
Press [MEMORY/RECALL].
The memory number flashes.
 - ④Within 10 seconds
Press [▶▶]/[◀◀] to select the memory number to store the frequency.
FM station: up to 20/AM station: up to 10
•Press [▶▶]/[◀◀] for over 1.5 seconds to make the frequency or memory number change in succession.
 - ⑤Within 10 seconds
Press [MEMORY/RECALL] to confirm the memory setting.

Listening to the Radio

The letters such as J in the various illustrations refer to the descriptions in the "Location of Controls" section. (See page 2.)

To obtain good reception

AM

Try various directions to obtain optimum reception.



Note

The AM antenna is located in the lid of the unit so noise may increase if the unit is held. This is not malfunction.

FM

The stereo headphones/earphones cord is also the FM antenna, so extend it rather than leaving it coiled.

■ How to receive an FM broadcast clearly

Press for more than 1.5 seconds during FM reception.

Leave off under normal conditions. Set to "CITY" if reception is poor or if there is interference from another station.

To select stereo or monaural FM

Press during FM reception.

■ When there is noise during FM reception

Select "MONO".

Sound becomes monaural, but noise is reduced.

When using overseas

Change the frequency step according to the area.

Preparation: Press [RADIO/BAND] to switch on the power.

1 Press for more than 5 seconds to display the step.

**2 Within 10 seconds
Press to select the step.**

FM U0.2 (original setting) : FM 0.2 MHz, AM 10 kHz
FM U0.1 : FM 0.1 MHz, AM 10 kHz
E : FM 0.05 MHz, AM 9 kHz
**3 Within 10 seconds
Press and hold until the frequency is displayed to confirm the step.**

■ To return to the previous frequency step
Repeat the above procedure.

Note

Converting the allocation erases the stations previously stored in memory.

Changing the sound quality

The operation is the same as when playing CDs.
(See page 4.)

THE FOLLOWING APPLIES ONLY IN THE U.S.A.:

CAUTION:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any unauthorized changes or modifications to this equipment would void the user's authority to operate this device.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Specifications

CD SECTION

■ Audio

No. of channels: 2 (left and right, stereo)

Frequency response: 20 to 20,000 Hz

(+0 dB to -8 dB)

DA converter: 1 bit, MASH

Headphone

output level: RMS max. 6 mW+6 mW/
16 Ω (adjustable)

■ Pickup

Light source: Semiconductor laser

Wavelength: 780 nm

Dimensions
(W×H×D): 128×29.8×131.5 mm
(5½"×1¾"×5⅝")

Mass: 264 g (9.3 oz.)

(with batteries)

218 g (7.7 oz.)

(without batteries)

Operational temperature
range: 0 °C–40 °C
(32 °F–104 °F)

Play time:
[Approximate operating time in hours (in hold mode with S-XBS canceled, at 25 °C (77 °F) on a flat, stable surface)]

Batteries used	CD	RADIO (FM BAND)
2 alkaline batteries	25	75

- The play time may be less depending on the operating conditions.
- Play time will be considerably reduced when playing CD-RW.

Note:

Specifications are subject to change without notice.
Mass and dimensions are approximate.

GENERAL

Power supply: DC 4.5 V with optional AC adaptor RP-AC46

Troubleshooting Guide

Before requesting service, make the below checks. If you are in doubt about some of the check points, or if the remedies indicated in the chart do not solve the problem:

In the U.S.A., contact the Panasonic Customer Call Center at 1-800-211-7262, or e-mail consumerproducts@panasonic.com, or web site (<http://www.panasonic.com>).

In Canada, contact Panasonic Canada Inc. Customer Care Centre at 905-624-5505, or web site (www.panasonic.ca), or an authorized Servicentre close to you.

Problem	Check this
Cannot close the lid.	Is the disc properly secured in place?
Cannot play discs.	<ul style="list-style-type: none"> Is the unit in HOLD mode? Is the disc properly secured in place? Is the disc dirty or scratched? Is there condensation on the lens? (Wait for about an hour and then try again.)
Tracks on disc do not play in order, starting with the first track.	<ul style="list-style-type: none"> Is the random play mode on? Did you stop play in the middle of the disc last time?
Cannot hear music—too noisy.	<ul style="list-style-type: none"> Is the headphones/earphones plug inserted all the way? Is the plug dirty? (Wipe away dirt on plug.) Separate the unit from mobile phones.
TV picture is distorted. Radio reception is noisy.	Are you using the unit too near a TV or tuner? (Keep the unit away from the TV or tuner.)
No reception. The FM frequency range is different.	Has the frequency step been set for your area?

Cautions

Listening caution



Do not play your headphones or earphones at a high volume. Hearing experts advise against continuous extended play.

If you experience a ringing in your ears, reduce volume or discontinue use.

Do not use while operating a motorized vehicle. It may create a traffic hazard and is illegal in many areas.

You should use extreme caution or temporarily discontinue use in potentially hazardous situations.

Even if your headphones or earphones are the open-air type designed to let you hear outside sounds, don't turn up the volume so high that you can't hear what's around you.

Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So what sounds "normal" can actually be loud and harmful to your hearing.

Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

To establish a safe level:

- Start your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.

Once you have established a comfortable sound level:

- Leave it there.

Discontinue use if you experience discomfort with the headphones or earphones or any other parts that directly contact your skin. Continued use may cause rashes or other allergic reactions.

Care of dry cell batteries

To prevent battery damage, electrolyte leakage and short-circuiting, heed the following points.

- Do not peel off the covering on batteries and do not use if the covering has been peeled off.
- Align the poles + and - correctly when inserting the batteries.
- Do not mix different types of batteries or old and new batteries.
- Remove the batteries if you do not intend to use the unit for a long time.
- Do not throw into fire, short-circuit, disassemble, or subject to excessive heat.
- Do not attempt to recharge dry cell batteries.
- Do not allow metal objects to touch the battery terminals as this may cause short-circuiting which is dangerous.
- When carrying batteries in a pocket or bag, ensure no metal objects such as necklaces are placed together with them. Contact with metal may cause short-circuiting which can cause a fire.

When driving a car

In the interest of traffic safety, do not operate the unit while driving.

CAUTION!

THIS PRODUCT UTILIZES A LASER.

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

WARNING:

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PRODUCT DAMAGE, DO NOT EXPOSE THIS APPARATUS TO RAIN, MOISTURE, DRIPPING OR SPLASHING AND THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.